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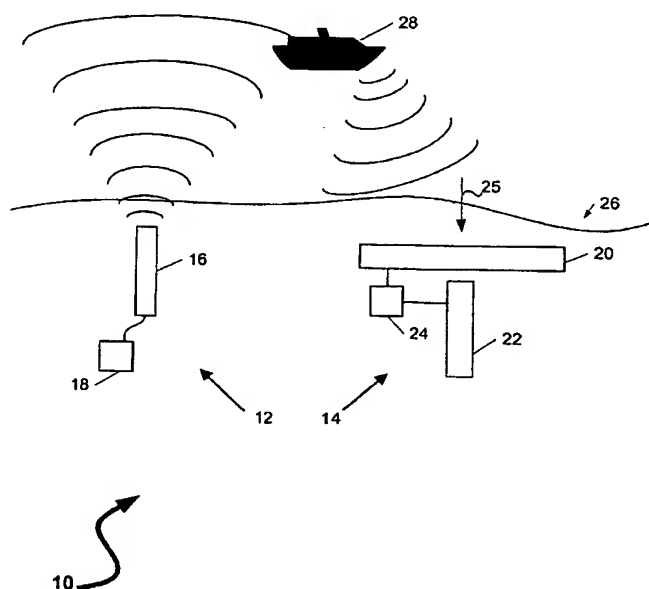
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(54) Title: A TRANSMIT ANTENNA



(57) Abstract: A transmit antenna for a surface wave radar system, including a linear array of active monopole antenna elements for transmitting signals in respective frequency ranges. The relative spacings and the relative heights of successive elements along the array have logarithmic relationships. The transmit antenna includes impedance matching circuits for the active monopole antenna elements, and switches for selecting one of the active antenna elements to transmit a signal in a corresponding frequency range while grounding the remaining active antenna elements.

WO 2004/042869 A1